

Automated Enforcement Solution

A confidence-based direct enforcement platform for scalable infrastructure protection and commercial vehicle compliance



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Developing and sustaining transport
systems in an uncertain world.



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The Solution: A confidence-based enforcement platform.

**Sensor-Agnostic
Design and Deployment
Flexibility**

System Components

**Enforcement Evidence
Package**

“Is the vehicle out of compliance?”



“Are we certain enough to act?”

Sensor-Agnostic Design: Certainty Over Precision

ENFORCEMENT ENVIRONMENTS VARY SIGNIFICANTLY BY REGION

The **AE-WIM** solution is sensor-agnostic by design, allowing agencies to select WIM technologies appropriate to regional conditions and preferences, and to leverage existing sensor infrastructure where it meets enforcement performance requirements.



System Components: Delivered as an integrated roadside solution.

01 · WIM Sensor Arrays

Capture axle, axle-group, and gross vehicle weights under live traffic conditions using proven sensor technologies.



02 · Imaging & ID

Associate the measurement with the vehicle via license plate recognition, overview imagery, lane data, and timestamped records.



03 · Roadside processing

Execute real-time decision logic, perform diagnostics, evaluate confidence thresholds, and securely transmit candidate records.

Evidence Package: A defensible record for every event

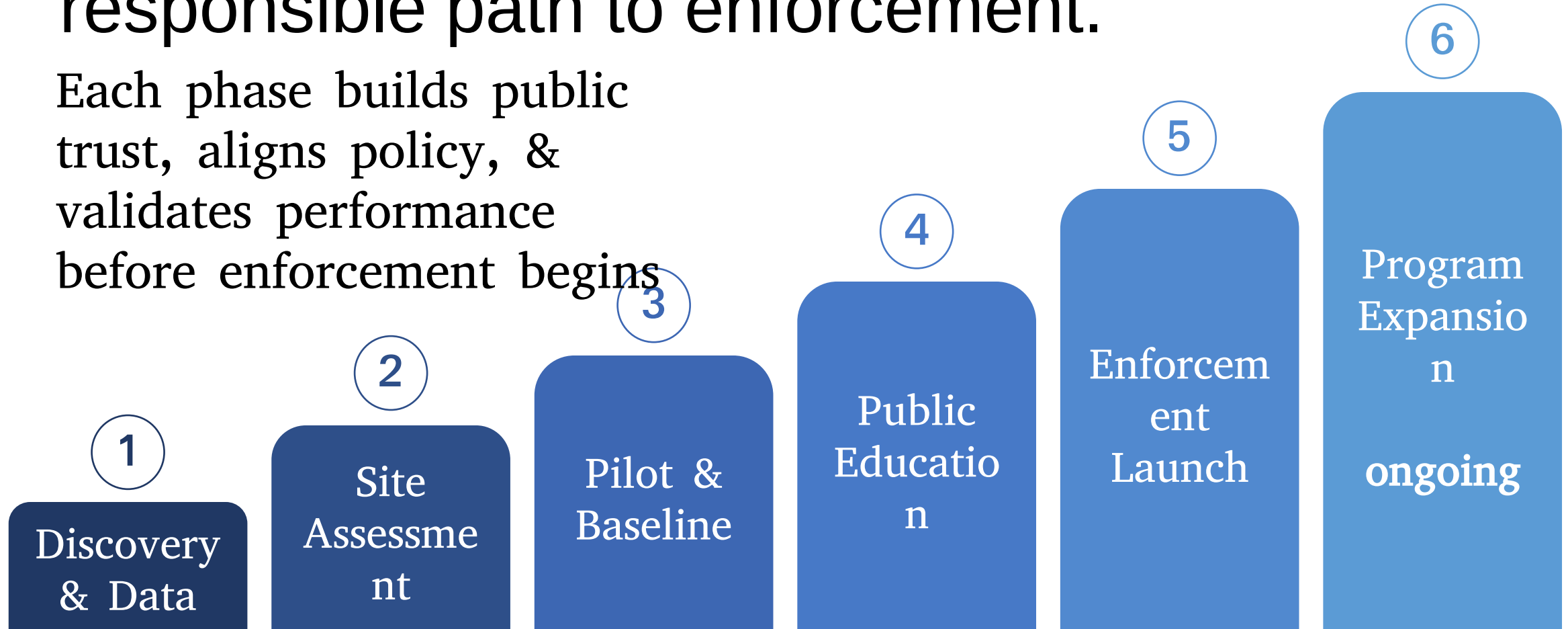
FOR EACH HIGH-CONFIDENCE EVENT

- A structured digital evidence package that supports audit, adjudication, & legal review
- Designed to reduce ambiguity and show why enforcement action was appropriate.



Implementation: A phased, responsible path to enforcement.

Each phase builds public trust, aligns policy, & validates performance before enforcement begins

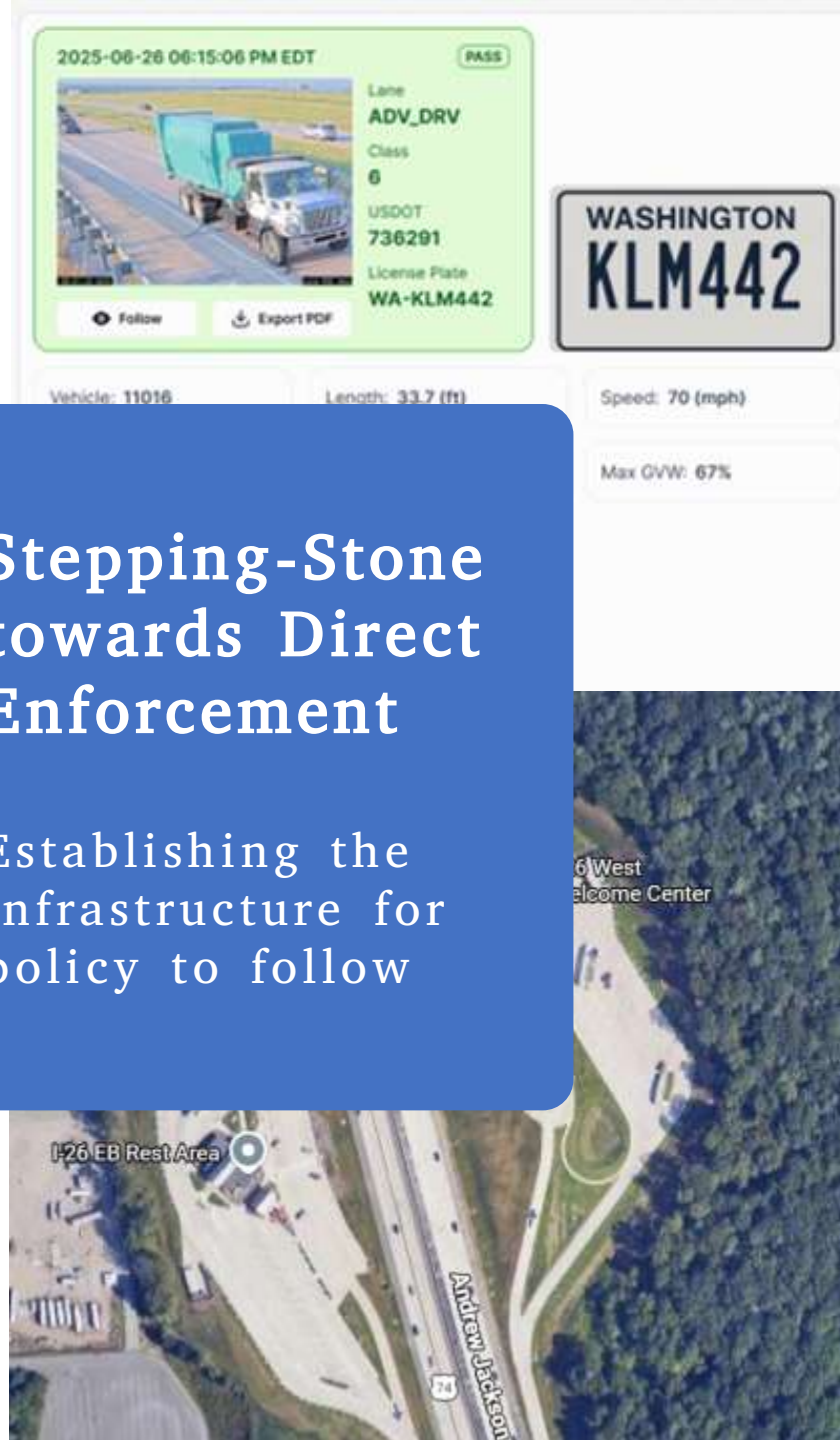


VWS Enforcement: Hendersonville, NC

- **3 WIM & Tire Anomaly Sites:** VWS sites utilizing new rest area facilities
- **Scalable:** WIM sensor data supports both weigh station and mobile enforcement
- **Beacons & CMS Signs:** Direct truck flow into rest areas during active inspections
- **Safety Enforcement:** Integrated Tire Anomaly Screening enable safety inspections in rest area

Stepping-Stone
towards Direct
Enforcement

Establishing the
infrastructure for
policy to follow



Automated Enforcement: Ukraine

- 45+ lanes of WIM: Deployed and operating across the network
- Turnkey for Ukravtodor: State agency of Automobile Roads of Ukraine
- Joint venture delivery: With local partners
- Fully integrated capability: WIM · VWS · dimensioning · axle load · off-scale

Live today and expanding across Ukraine

THE RESULTS
UAH 6M+

in overweight penalties, January 2026 alone

Multiple sites deployed around various regions





Acknowledgements

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